

**SYSTEM AND METHOD FOR EFFICIENTLY IMPLEMENTING
A BATTERY CONTROLLER FOR AN ELECTRONIC DEVICE**

5

ABSTRACT OF THE DISCLOSURE

A system and method for effectively managing operating power for an electronic device may include a battery pack coupled to the electronic device for supplying operating power to the electronic device. A battery controller
10 may be configured as a single integrated-circuit device to alternately manage the battery pack either in a single-cell implementation or in a dual-cell implementation. The battery controller may include a charge pump device to provide an internal controller power supply for operating the battery controller in the single-cell implementation.

15